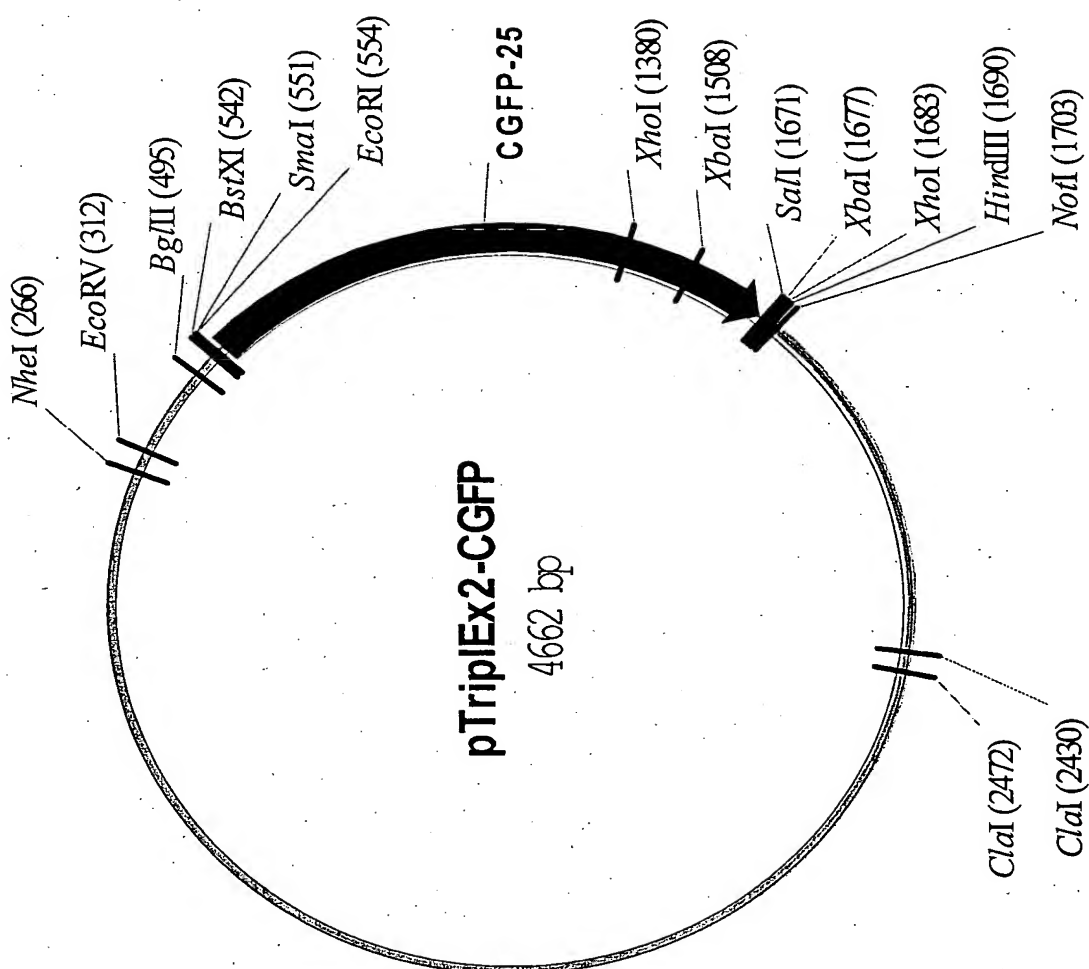


Figures

Fig. 1



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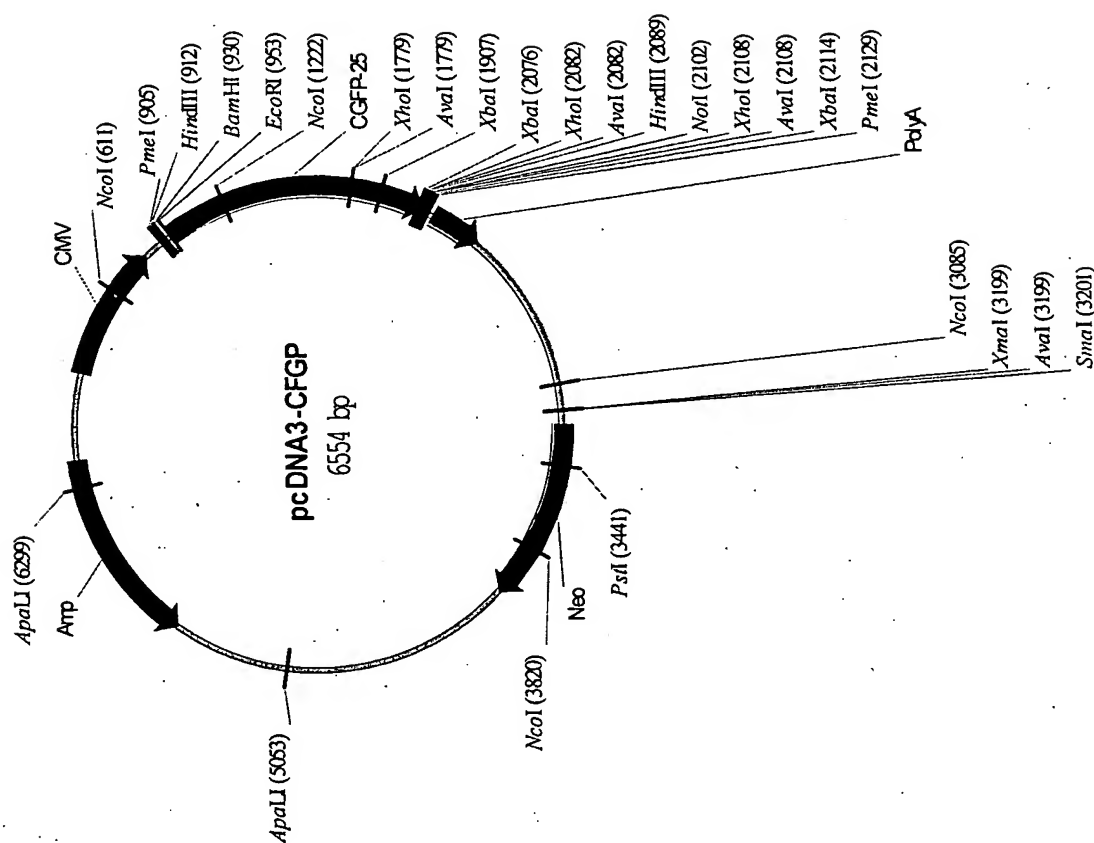


Fig. 2

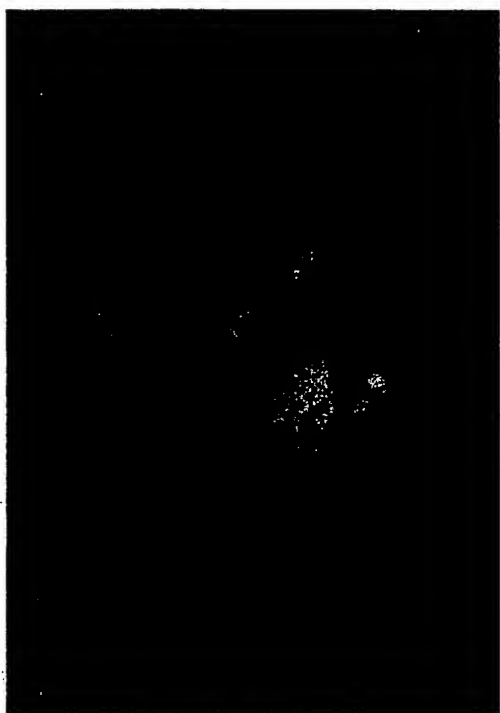


Fig. 3

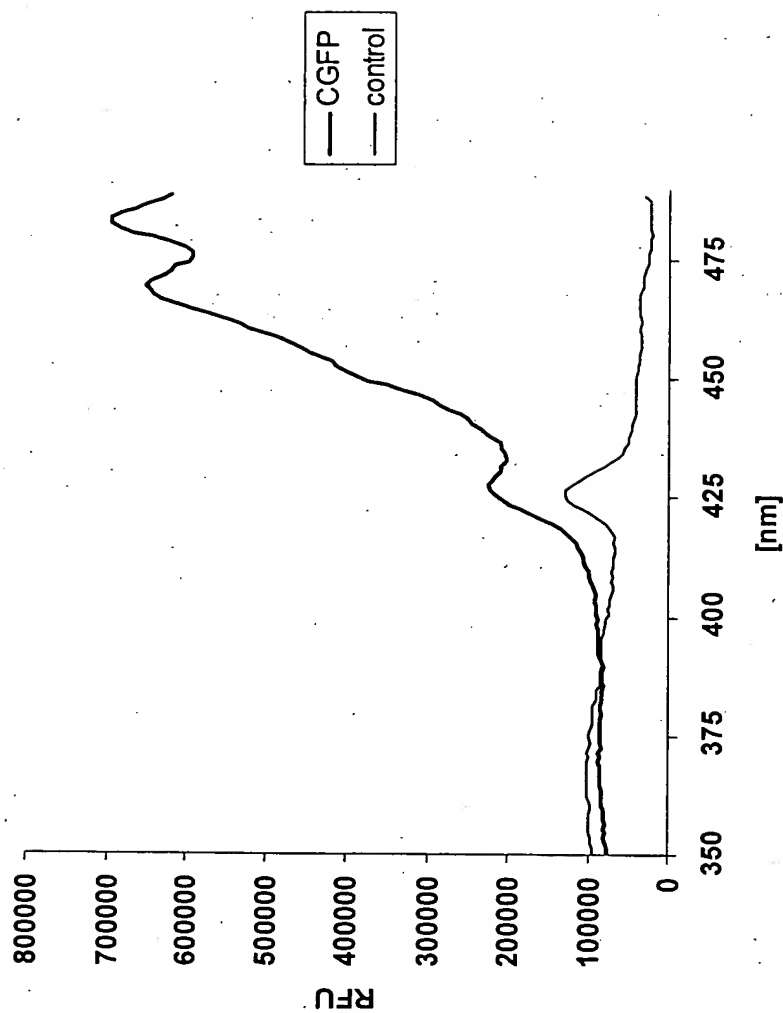


Fig. 4

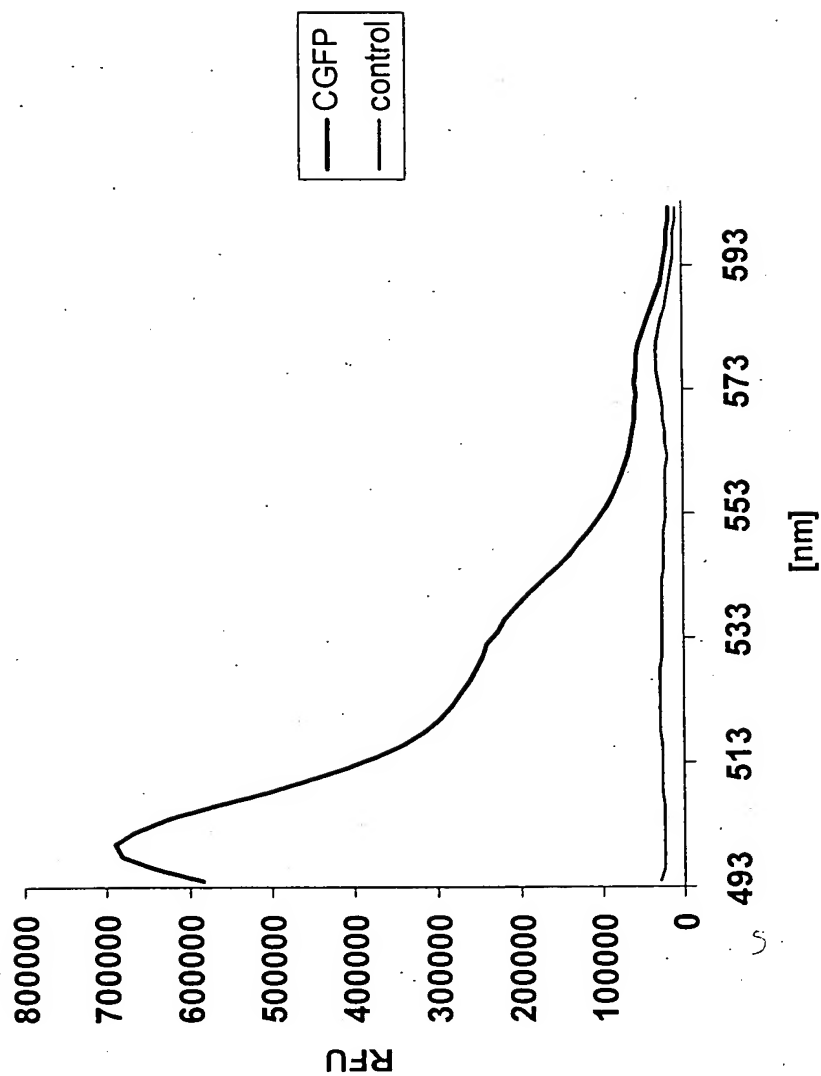


Fig. 5

Fig. 6

CGFP_Cly 000:MTALTEGAKLFEKEIPYITELEGDVEGMKFIIKGEGTGDTTGTIKAKYICTTGD-LPVP
GFP_Aeq 000:...MSKGEELFTGVVPILVELDGDVNGQKFSVSGEGDATYKLLTKFICTTGK-LPVP
GFP_Ren 000:MSKQILKNTCLQEVMSYKVNLEGI VNNHVFTMEGCGKGNILFGNQLVQIRVTKGAPLPFA

CGFP_Cly 060:WATILSSLSYGVFCFAKYPRHIA--DEFFKSTQPDGYSQDRIISFDNDGQYDVKAKVTYEN
GFP_Aeq 060:WPTLVTTFSYGVCFSRYPDHMKQHDEFFKSAMPEGYVQERTIFYKDDGNKYKTRAEVKFEG
GFP_Ren 060:FDIVSPAFOYGNRTFTKYPNDIS--DYFIQSFPA GFM YERTLRYEDGGLVEIRSDINLIE

CGFP_Cly 120:GTLYNRVTVKGTGFKSNGNILGMRVLYHSPPHAVYILPDRKNGGMKIEYNKAFDVMGGH
GFP_Aeq 120:DTLVNRIELKGIDFKEDGNILGHKMEYNYNSHNVYIMADKPKNGIKVNFKIRHNKDGSV
GFP_Ren 120:DKFVYRVEYKGSNFPDDGPMQKTI LGIEPSFEAMYM----NNGVLVGEVILVYKLN SGK

CGFP_Cly 180:QMARHAQFNKPLGAWEEDYPLYHHLT--VWTSFGKDPDDDET DHLTIVEVIKAVDL-----
GFP_Aeq 180:QLADHYQQNTPIGDGPVLLPDNH YLS--TQSALSKDP-NEKRDHMILLEFVTAAGITHGM
GFP_Ren 180:YYSCHMKTLMKSKGVVKEFP SYHF IQHRL E KTYVEDGGFVEQHE TAI AQMTSIGKPLGSL

CGFP_Cly 240:-ET YR
GFP_Aeq 240:DELYK
GFP_Ren 240:HEWV

Fig. 7

CGFP_Cly_000:atgactgcacttaccgaaggagcaaaactgttcgagaaagaaattccctacattacagag
GFP_Ren_000:atgagtaaacaaaattattgaagaacacttgtttacaagaagtaattgtcgtataaaagtaaat
GFP_Aeq_000:atgagtaaaaggagaagaacttttcactggagttgtcccaattcttgttgaattagatggc

CGFP_Cly_060:ttggaaggagacgttgaaaggaatgaaattcatcatcaaaggtgaaggtagtgcgacgct
GFP_Ren_060:ctggaagggaattgtaaacaacacatgtttttacaatggaggttgcggaagggaatatt
GFP_Aeq_060:gatgttaatgggcaaaaattctctgtcagtgagaggtgaaggtagtgcaacatacggga

CGFP_Cly_120:actactggcaccatcaaagcgaaatataattgcaacaactggtagaccttcctgtaccatgg
GFP_Ren_120:ttattcggcaatcaactgggttcagattcgtgtcacgaaagggccccactgccttttgca
GFP_Aeq_120:aaacttacccttaaaatttatgtgcactactgggaagctacctgttccatggccaacactt

CGFP_Cly_180:gctaccatcttgagtagttgtcgtatgggtgttttctgtttcgctaagtatccacgccac
GFP_Ren_180:tttgataattgtgtcaccagcttttcaatatggcaaccgtactttcacgaaatatccgaat
GFP_Aeq_180:gtcactactttctcttatgtgtgttcaatgcttttcaagatacccagatcatatgaaacag

CGFP_Cly_240: attgccgactttttcaagagcacacaaccagatggttattcacaagacagaatcattagtg
GFP_Ren_240: gatatatcagattattttatatacaatcattccagcaggatttatgtatgaacgaacatta
GFP_Aeq_240: catgactttttcaagagtgccatgcccgagggttatgtacaggaaagaactatattttac

CGFP_Cly_300: tttgacaatgatggacaatacgaatgtcaagccaagggttacttatgaaaaacggaacactt
GFP_Ren_300: cgttacgaagatggcggacttgttgaaattcgttcagatatataaaatttaatagaagacaag
GFP_Aeq_300: aaagatgacgggaactacaagacacgtgctgaagtcaagtttgaaggatgatacccttggtt

CGFP_Cly_360: tataatagagtcacagtcacaaggtagtggcttcaaatcaaacggcaacatccttggtatg
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GFP_Ren_000: atgagtaaacaaaatatgaagaacacacttgtttacaagaagtaaatgtcgtataaagtaaat
GFP_Aeq_000: atgagtaaaaggagaagaacttttccactggagttgtcccaattcttgttgaattagatggc

CGFP_Cly_060: ttggaaggagacgttgaaggaatgaaattcatcatcaagggtgaagggtactggcgacgct
GFP_Ren_060: ctggaagggaattgtaaacacaaccatgtttttacaatggaggggtgcgggcaaaaggaatat
GFP_Aeq_060: gatgttaatgggcaaaaaattctctgtcagtgagaggggtgaagggtgatgcaacatacggg

CGFP_Cly_120: actactggcaccatcaaagcgaaataatatgtgcacaaactggtgaccttcctgtaccatgg
GFP_Ren_120: ttattcggcaatcaactgggttcagattcgtgtcacgaaagggccccactgcctttttgca
GFP_Aeq_120: aaacttacccttaaatttatttgactactggaagctacctgttccatggccaacactt

CGFP_Cly_180: gctaccatcttgagtagtttgctgtagtggtgttttctgttttcgtaagtatccacgccac
GFP_Ren_180: tttgataattgtgtcaccagcttttcaatatggcaaccgtactttcacgaaatatccgaat
GFP_Aeq_180: gtcactactttctcttatggtgttcaatgcttttcaagatacccagatcatatgaaacag

CGFP_Cly_240: attgccgacttttcaagagcacacaaccagatggttattcacaagacagaatcattagt
GFP_Ren_240: gatatatcagattattttatacaaatcatttccagcaggatttatgtatgaacgaacatta
GFP_Aeq_240: catgacttttcaagagtgccatgcccgagggttatgtacaggaagaaactatatatttac

CGFP_Cly_300: tttgacaatgatggacaatacgtatgtcaaaagccaaggttacttatgaaaacggaacactt
GFP_Ren_300: cgttacgaagatggcggacttggtgaaattcgttcagatatataaaatttaatagaagacaag
GFP_Aeq_300: aaagatgacgggaactacaagacacgtgctgaagtcaagtttgaaggatgatacccttgtt

CGFP_Cly_360: tataatagagtcacagtcaaaaggtagtggttcaaatcaaacggcaacatccttggtatg
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CGFP_Cly_420:agagttctctaccattcaccaccacacgctgtctacatccttcctgaccgtaaaaatggt
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GFP_Ren_480:gtcggcgaagtaattcttgtctataaaactctgggaaatattattcatgtcacatg
GFP_Aeq_480:atcaaagttaacttcaaaattagacacacacattaaagatggaagcgttcaattagcagac

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GFP_Aeq_600:ctgtccacacaatctgccctttccaaagatcccaacgaaaaagagagatcacatgatcctt

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